

M. TUNG

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/610,551A

DATE: 02/27/2001
TIME: 02:35:01

INPUT SET: S36429.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: Barbas, Carlos F, III
Burton, Dennis R
Lerner, Richard A

(ii) TITLE OF INVENTION: METHODS FOR PRODUCING ANTIBODY LIBRARIES
USING UNIVERSAL OR RANDOMIZED IMMUNOGLOBULIN LIGHT CHAINS

(iii) NUMBER OF SEQUENCES: 70

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: The Scripps Research Institute
(B) STREET: 10666 North Torrey Pines Road, TPC8
(C) CITY: La Jolla
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 92037

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/610,551
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/300,386
(B) FILING DATE:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 07/826,623
(B) FILING DATE: 27-JAN-1992

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 07/954,148
(B) FILING DATE: 30-SEP-1992

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/012,566

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/610,551ADATE: 02/27/2001
TIME: 02:35:02

INPUT SET: S36429.raw

47 (B) FILING DATE: 02-FEB-1993
48
49 (viii) ATTORNEY/AGENT INFORMATION:
50 (A) NAME: Fitting, Thomas
51 (B) REGISTRATION NUMBER: 34,163
52 (C) REFERENCE/DOCKET NUMBER: TSRI 409.1
53
54 (ix) TELECOMMUNICATION INFORMATION:
55 (A) TELEPHONE: 619-554-2937
56 (B) TELEFAX: 619-554-6312
57
58
59 (2) INFORMATION FOR SEQ ID NO:1:
60
61 (i) SEQUENCE CHARACTERISTICS:
62 (A) LENGTH: 687 base pairs
63 (B) TYPE: nucleic acid
64 (C) STRANDEDNESS: single
65 (D) TOPOLOGY: linear
66
67 (ii) MOLECULE TYPE: cDNA
68
69 (iii) HYPOTHETICAL: NO
70
71 (iv) ANTI-SENSE: NO
72
73
74
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
76
77 CTCGAGCAGT CTGGGGCTGA GGTGAAGAAG CCTGGGTCCT CGGTGAAGGT CTCCTGCAGG 60
78
79 GCTTCTGGAG GCACCTTCAA CAATTATGCC ATCAGCTGGG TGCACAGGC CCCTGGACAA 120
80
81 GGGCTTGAGT GGATGGGAGG GATCTTCCCT TTCCGTAATA CAGCAAAGTA CGCACAACAC 180
82
83 TTCCAGGGCA GAGTCACCAT TACCGCGGAC GAATCCACGG GCACAGCCTA CATGGAGCTG 240
84
85 AGCAGCCTGA GATCTGAGGA CACGGCCATA TATTATTGTG CGAGAGGGGA TACGATTTTT 300
86
87 GGAGTGACCA TGGGATACTA CGCTATGGAC GTCTGGGGCC AAGGGACCAC GGTCACCGTC 360
88
89 TCCGCAGCCT CCACCAAGGG CCCATCGGTC TTCCCCCTGG CACCCTCCTC CAAGAGCACC 420
90
91 TCTGGGGGCA CAGCGGCCCT GGGCTGCCTG GTCAAGGACT ACTTCCCCGA ACCGGTGACG 480
92
93 GTGTCGTGGA ACTCAGGCGC CCTGACCAGC GGCCTGCACA CCTTCCCGGC TGTCCTACAG 540
94
95 TCCTCAGGAC TCTACTCCCT CAGCAGCGTG GTGACCGTGC CCTCCAGCAG CTTGGGCACC 600
96
97 CAGACCTACA TCTGCAACGT GAATCACAAG CCCAGCAACA CCAAGGTGGA CAAGAAAGCA 660
98
99 GAGCCCAAAT CTTGTGACAA AACTAGT 687

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/610,551ADATE: 02/27/2001
TIME: 02:35:02

INPUT SET: S36429.raw

100
101 (2) INFORMATION FOR SEQ ID NO:2:
102
103 (i) SEQUENCE CHARACTERISTICS:
104 (A) LENGTH: 646 base pairs
105 (B) TYPE: nucleic acid
106 (C) STRANDEDNESS: single
107 (D) TOPOLOGY: linear
108
109 (ii) MOLECULE TYPE: cDNA
110
111 (iii) HYPOTHETICAL: NO
112
113 (iv) ANTI-SENSE: NO
114
115
116
117 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
118
119 GAGCTCACGC AGTCTCCAGG CACCCTGTCT TTGTCTCCAG GGGAAAGAGC CACCCTCTCC 60
120
121 TGCAGGGCCA GTCACAGTGT TAGCAGGGCC TACTTAGCCT GGTACCAGCA GAAACCTGGC 120
122
123 CAGGCTCCCA GGCTCCTCAT CTATGGTACA TCCAGCAGGG CCACTGGCAT CCCAGACAGG 180
124
125 TCCAGTGGCA GTGGGTCTGG GACAGACTTC ACTCTACCA TCAGCAGACT GGAGCCTGAA 240
126
127 GATTTTGCAG TGTACTACTG TCAGCAGTAT GGTGGCTCAC CGTGGTTCGG CCAAGGGACC 300
128
129 AAGGTGGAAC TCAAACGAAC TGTGGCTGCA CCATCTGTCT TCATCTTCCC GCCATCTGAT 360
130
131 GAGCAGTTGA AATCTGGAAC TGCCTCTGTT GTGTGCCTGC TGAATAACTT CTATCCCAGA 420
132
133 GAGGCCAAAG TACAGTGGAA GGTGGATAAC GCCCTCCAAT CGGGTAACTC CCAGGAGAGT 480
134
135 GTCACAGAGC AGGACAGCAA GGACAGCACC TACAGCCTCA GCAGCACCTT GACGCTGAGC 540
136
137 AAAGCAGACT ACGAGAAACA CAAAGTCTAC GCCTGCGAAG TCACCCATCA GGGCCTGAGT 600
138
139 TCGCCCGTCA CAAAGAGCTT CAACAGGGGA GAGTGTTAAT TCTAGA 646
140
141 (2) INFORMATION FOR SEQ ID NO:3:
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143 (i) SEQUENCE CHARACTERISTICS:
144 (A) LENGTH: 21 base pairs
145 (B) TYPE: nucleic acid
146 (C) STRANDEDNESS: single
147 (D) TOPOLOGY: linear
148
149 (ii) MOLECULE TYPE: cDNA
150
151 (iii) HYPOTHETICAL: NO
152

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/610,551ADATE: 02/27/2001
TIME: 02:35:02

INPUT SET: S36429.raw

153 (iv) ANTI-SENSE: NO
154
155
156
157 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
158
159 GAATTCTAAA CTAGCTAGTC G 21
160
161 (2) INFORMATION FOR SEQ ID NO:4:
162
163 (i) SEQUENCE CHARACTERISTICS:
164 (A) LENGTH: 21 base pairs
165 (B) TYPE: nucleic acid
166 (C) STRANDEDNESS: single
167 (D) TOPOLOGY: linear
168
169 (ii) MOLECULE TYPE: cDNA
170
171 (iii) HYPOTHETICAL: NO
172
173 (iv) ANTI-SENSE: NO
174
175
176
177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
178
179 ATACTGCTGA CAGTAATACA C 21
180
181 (2) INFORMATION FOR SEQ ID NO:5:
182
183 (i) SEQUENCE CHARACTERISTICS:
184 (A) LENGTH: 57 base pairs
185 (B) TYPE: nucleic acid
186 (C) STRANDEDNESS: single
187 (D) TOPOLOGY: linear
188
189 (ii) MOLECULE TYPE: cDNA
190
191 (iii) HYPOTHETICAL: NO
192
193 (iv) ANTI-SENSE: NO
194
195
196
197 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
198
199 TATTACTGTC AGCAGTATNN KNNKNNKNNK ACTTTCGGCG GAGGGACCAA GGTGGAG 57
200
201 (2) INFORMATION FOR SEQ ID NO:6:
202
203 (i) SEQUENCE CHARACTERISTICS:
204 (A) LENGTH: 21 base pairs
205 (B) TYPE: nucleic acid

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/610,551ADATE: 02/27/2001
TIME: 02:35:03

INPUT SET: S36429.raw

206 (C) STRANDEDNESS: single
207 (D) TOPOLOGY: linear
208

209 (ii) MOLECULE TYPE: cDNA
210

211 (iii) HYPOTHETICAL: NO
212

213 (iv) ANTI-SENSE: NO
214
215
216

217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
218

219 AATACGACTC ACTATAGGGC G

21

220
221 (2) INFORMATION FOR SEQ ID NO:7:
222

223 (i) SEQUENCE CHARACTERISTICS:
224 (A) LENGTH: 48 base pairs
225 (B) TYPE: nucleic acid
226 (C) STRANDEDNESS: single
227 (D) TOPOLOGY: linear
228

229 (ii) MOLECULE TYPE: cDNA
230

231 (iii) HYPOTHETICAL: NO
232

233 (iv) ANTI-SENSE: NO
234
235
236

237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
238

239 TATTACTGTC AGCAGTATNN KNNKNNKNNK ACTTTCGGCG GAGGGACC

48

240
241 (2) INFORMATION FOR SEQ ID NO:8:
242

243 (i) SEQUENCE CHARACTERISTICS:
244 (A) LENGTH: 60 base pairs
245 (B) TYPE: nucleic acid
246 (C) STRANDEDNESS: single
247 (D) TOPOLOGY: linear
248

249 (ii) MOLECULE TYPE: cDNA
250

251 (iii) HYPOTHETICAL: NO
252

253 (iv) ANTI-SENSE: NO
254
255
256

257 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
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PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/610,551A

DATE: 02/27/2001
TIME: 02:35:03

INPUT SET: S36429.raw

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PAGE: 1

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/610,551A

DATE: 02/27/2001
TIME: 02:35:03

INPUT SET: S36429.raw

< < THERE ARE NO ITEMS MISSING > >

PAGE: 1

SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/09/610,551A

DATE: 02/27/2001
TIME: 02:35:03

INPUT SET: S36429.raw

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